

Product Data Sheet

SURELINE - Non Electric Millisecond Delay Detonator



Description

Sureline is a superior grade non electric millisecond delay detonator consisting of a pre-coiled length of shocktube with a high strength detonator at one end and a weatherproof seal at the other end. The detonators are manufactured complete with delay elements and an EU#3 base charge encapsulated in an premium grade aluminium shell. The unique neon coloured shocktube designed for the harshest of environments is double crimped to the detonator ensuring safe transmission of the initiating signal.

Application

Sureline is suitable for mining, quarrying, construction and underground blasting operations and can be used in conjunction with detonator sensitive explosives, cords, boosters, trunklines and other Sureline products.

Recommendations

Recommended products for reliable initiation:

- *Surefire Exploder
- *Shotline Lead in Line
- *Detonating cord with a minimum 3.5gm/m PETN charge
- *Plain, electric, electronic or non electric detonators

Safety & Storage

Explosives should be handled by trained, authorised persons only. Avoid damage to any part of the component and ensure care is taken to protected from extreme impacts, friction & heat sources. "DO NOT" stretch or attempt to remove the shocktube from the detonator which may cause premature detonation.

Detonators should be kept separate from other explosive substances in a cool, dry, well ventilated licensed magazine when not in use. Stored in typical conditions, detonators have a 2 year shelf life from the date of manufacture. Stocks should be frequently rotated in order to use the older products before the new.

Delay Range

Downline	450ms	475ms	500ms
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Surface	17ms	25ms	42ms	92ms
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Packaging

Shocktube Length (m)	Bag Qty (1.1B)	Box Qty (1.1B)
6.0	10	300
7.5	10	300
9.0	10	200
12.0	5	160
15.0	5	140
18.0	5	120
21.0	5	100
24.0	3	90
30.0	3	60
Box Dimensions	628 (L) x 318 (W) x 430 (H) mm	

Shocktube Technical

Outer Diameter	3.0mm
Shock Wave Propagation	2000 +/-100 metres per second (m/s)
Colour	Neon Orange
Nominal Tensile Strength	140N

Detonator Technical

Outer Diameter	7.5mm
Length	91-93mm
Base Charge	720mg / 450mg PETN or RDX
Shell	Aluminium

Product Classification

Shipping Name	Detonator assemblies, non-electric
UN #	0360
Classification	1.1B
EC Type Certificate	ENB/D/043/003
Notified Body	0519
Packing Group	PGII

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